CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER: 021073

ADMINISTRATIVE/CORRESPONDENCE DOCUMENTS

Pioglitazone HCl Tablets, 15mg, 30mg, and 45mg New Drug Application Item 13. Patent Information

Item 13. Patent Information

21 CFR 314.50 (h) PATENT INFORMATION ACTOS (PIOGLITAZONE HCI – AD-4833) TABLETS

The following two patents were issued for AD-4833. The drug product name for this chemical entity will be ACTOS (pioglitazone HCI) tablets.

21 CFR 314.53 (c)(i); (ii); (iii); (iv)

US Patent Number	Expiration Date	Type of Patent	Patent Owner	US
4,444,779	July, 27, 1999	drug, drug product	Takeda Chemical Industries, Ltd.	Representative Takeda America Research and Development
4,687,777	January 17, 2006	drug, drug product	Takeda Chemical Industries, Ltd.	Center, Inc. Takeda America Research and Development Center, Inc.

Attached are copies of the front and claim pages of US Patent Numbers 4,444,779 and 4,687,777.

Takeda America Research and Development Center, Inc. Princeton, NJ

BEST POSSIBLE COPY

Actos™
(Pioglitazone HCI) Tablets

14.0 Patent Certification

Reference is made to the subject NDA for Actos™ (pioglitazone hydrochloride) tablets for the management of type 2 diabetes and the requirements of 505(b)(1) of the Federal Food, Drug and Cosmetic Act as amended and 21 CFR 314.50(c)(2).

Declaration under 21 CFR 314.53(c)(2)

The applicant declares that Patent No. US 4,444,779 and Patent No. US 4,687,777 cover the drug pioglitazone hydrochloride, the drug product pioglitazone hydrochloride tablets, 15 mg, 30 mg, and 45 mg and its method of use.

This product is the subject of this application for which approval is sought.

As provided for under the Patent Term Restoration Act, Takeda America Research & Development Center, Inc. will be requesting patent term restoration upon receipt of approval of pioglitazone hydrochloride.

Page 1 of 6

Exclusivity Checklist

NDA: 2/-073		
Trade Name: ACTOS		
Generic Name: PIDGLIMZONE HYDROCHLORIDE		
Applicant Name: / Akedia		
Division: 14-D-SID (DMEDA)		
Project Manager: JENA WEBER (76422)		
Approval Date: JULY , 1999		
DADT I. IS AN INVOL		
PART I: IS AN EXCLUSIVITY DETERMINAT	ION NEED	ED?
1. An exclusivity determination will be made for all original applic supplements. Complete Parts II and III of this Exclusivity Summar one or more of the following questions about the submission.	ations, but o y only if you	nly for ce answer "
a. Is it an original NDA? 10	Kee VI	h.
b. Is it an effectiveness supplement?	Yes Yes	No
c. If yes, what type? (SE1, SE2, etc.)		(No
Did it require the review of clinical data other than		
safety claim or change in labeling related to safety? (If it required eview only of bioavailability or bioequivalence data, answer "no.")		No
bioavailability study. Explanation:	ability study, hat the study	, including was not :
easons for disagreeing with any arguments made by the applicant the bioavailability study.	ability study, hat the study	, includin was not
easons for disagreeing with any arguments made by the applicant the bioavailability study. Explanation: If it is a supplement requiring the review of clinical data but it applement, describe the change or claim that is supported by the clinical explanation:	ability study, hat the study	, including was not :
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PART II: FIVE-YEAR EXCLUSIVITY FOR NEW CHI	MICALI	ATTITES
(Miswer either #1 of #2, as appropriate)	MICALI	ZIVIIIES
Single active ingredient product.	Yes	No I
Has FDA previously approved under section 505 of the Act any drug product containing the same active moiety as the drug under consideration? Answer "yes" if the active moiety (including other esterified forms, salts, complexes, chelates or clathrates) has been previously approved, but this particular form of the active moiety, e.g., this particular ester or salt (including salts with hydrogen or coordination bonding) or other non-covalent derivative (such as a complex, chelate, or clathrate) has not been approved. Answer "no" if the compound requires metabolic conversion (other than deesterification of an esterified form of the drug) to produce an already approved active moiety.	Yes	
If "yes," identify the approved drug product(s) containing the active NDA #(s).	ve moiety,	and, if known
Drug Product		
NDA #		
Drug Product		
NDA #		tijali kung menglingi:
Drug Product NDA #		
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Combination product.	Yes	No
	Alian III Rana	
ctive moiety, answer "yes." (An active moiety that is marketed ander an OTC monograph, but that was never approved under an DA, is considered not previously approved.)	Yes	No
art II, #1), has FDA previously approved an application under ection 505 containing any one of the active moieties in the drug roduct? If, for example, the combination contains one ever-before-approved active moiety and one previously approved ctive moiety, answer "yes." (An active moiety that is marketed ader an OTC monograph, but that was never approved under an DA, is considered not previously approved.) If "yes," identify the approved drug product(s) containing the active		
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art II, #1), has FDA previously approved an application under ection 505 containing any one of the active moieties in the drug roduct? If, for example, the combination contains one ever-before-approved active moiety and one previously approved ctive moiety, answer "yes." (An active moiety that is marketed ander an OTC monograph, but that was never approved under an DA, is considered not previously approved.) If "yes," identify the approved drug product(s) containing the active NDA #(s). Drug Product NDA # Drug Product NDA # Drug Product	e moiety, ar	nd, if known,

Agency interprets "clinical investigations" to mean investigations conducted on humans other than bioavailability studies.) If the application contains clinical investigations only by virtue of a right of reference to clinical investigations in another application, answer "yes," then skip to question 3(a). If the answer to 3(a) is "yes" for any investigation referred to in another application, do not complete remainder of summary for that nevestigation. Thus, on the investigation is "essential to the approval" if the Agency could not have approved the application or supplement without relying on that investigation. Thus, the investigation is one essential to the approval if 1) no clinical investigation is necessary to support the upplement or application in light of previously approved applications (i.e., information other han clinical trials, such as bioavailability data, would be sufficient to provide a basis for proproval as an ANDA or 505(b)(2) application because of what is already known about a reviously approved product), or 2) there are published reports of studies (other than those onducted or sponsored by the applicant) or other publicly available data that independently would have been sufficient to support approval of the application, without reference to the linical investigation submitted in the application. For the purposes of this section, studies omparing two products with the same ingredient(s) are considered to be bioavailability studies a). In light of previously approved applications, is a clinical westigation (either conducted by the applicant or available from the purport approval of the application or supplement? If "no," state the basis for your conclusion that a clinical trial is not necessary for approval AND GO DIRECTLY TO SIGNATURE BLOCKS. Basis for conclusion: b) Did the applicant submit a list of published studies relevant to e safety and effectiveness of this drug product and a statement that publicable, answer NO. If yes, explain: 2) If the answer to 2 b) is "no," are you a	new clinical investigations (other than bioavailability studies) essent application and conducted or sponsored by the applicant." This seconly if the answer to PART II. Over the conduction is the applicant.	tial to the tion should	approval of the d
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olicly available data that could independently demonstrate the ety and effectiveness of this drug product?			
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THE TRUCK OF THE SECOND CONTRACT OF THE SECON	If yes, explain:		

submitted in the application that are essential to the ap Investigation #1, Study #:			
Investigation #2, Study #:			
Investigation #3, Study #:			
3. In addition to being essential, investigations must be	e "new" to support evol	ucivity. The	
agency interprets "new clinical investigation" to mean relied on by the agency to demonstrate the effectivenes indication and 2) does not duplicate the results of anothe agency to demonstrate the effectiveness of a previous redemonstrate something the agency considers to happroved application.	an investigation that 1) Its of a previously approved that was approved that was proved the provedthe proved the provedthe p	has not been wed drug for as relied on	n ra by
a) For each investigation identified as "essential to relied on by the agency to demonstrate the effectivenes product? (If the investigation was relied on only to supplying, answer "no.")	s of a previously con		
Investigation #1	Yes	No	Π
Investigation #2	Yes	No	
Investigation #3	Vec.	No	\vdash
If you have answered "yes" for one or more investigation and the NEA in the second sec	stigations, identify each	such	
nvestigation and the NDA in which each was relied upon Investigation #1 NDA Number	on:		
Investigation #1 NDA Number Investigation #2 NDA Number	on.		
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sponsor of the IND named in the form FDA 1571 filed with the Agency, or 2) the applicant (or its predecessor in interest) provided substantial support for the study. Ordinarily, substantial

arried out under an IND, was the applicant identified on the FI Investigation #1		
IND#	Yes	No
Explain:		
Investigation #2	Yes	No T
IND#:		
Explain:		
Investigation #3	Yes	No I
IND#: Explain:		
Investigation #1	Yes	No I
entified as the sponsor, did the applicant certify that it or the appearest provided substantial support for the study? Investigation #1		
IND#:		
Explain:		
Investigation #2	Yes	No
IND#: Explain:		
	Yes	No
Investigation #3		
IND#:		



exclusivity checklist Section 3 G

Page 6 of 6

Signature of PM/CSO /
Date: 18/

Signature of Division Director

Date: /S/

cc: /

Original NDA
Division File

HFD-93 Mary Ann Holovac



Edit Pediatric Information for this Submission

User Information		
PreparerJENA WEBER		
	PROJECT	
Title	MANAGER/CONSUMER	
	SAFETY OFFICER	
Division	HFD-510	

Application Information	
Application Number	21073
Application Clock Date	Jan 15, 1999
Application Type	
Applicant Sponsor	TAKEDA AMERICA
Drug Trade Name	ACTOS (PIOGLITAZO TABS
Drug Generic Name	PIOGLITAZONE HCL
(leave supplement number, date an	d type blank, if original a
Supplement Number	
Regulatory Action	PN Pending
Proposed Indication	Developed to improve the glycem Type 2 diabetes.
Has Proposed Indication been Approved?	☐ Check if YES
Adequacy of Proposed label for Pediatric Dosing	
Is there a Pediatric Phase 4 Commitment in the Action Letter for the Original Submission?	☑ Check if YES
Comments & Recommendations (please date)	0000
Is there <u>Pediatric Content</u> ?	○Yes ●No
Save && Coni	tinue Clear

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Takeda America Research and Development Center, Inc. Princeton, NJ

NDA 21-073 Actos™ (Pioglitazone HCI) Tablets

16.0 Debarment Certification

A Debarment Certification as specified by the Generic Drug Enforcement Act of 1992 is provided.

BEST POSSIBLE COPY

Takeda America Research and Development Center, Inc. Princeton, NJ

NDA 21-073 Actos™ (Pioglitazone HCI) Tablets

Certification of Compliance with the Generic Drug Enforcement Act

In compliance with the Generic Drug enforcement Act of 1992, Takeda America Research and Development Center, Inc. certifies that we did not and will not use in any capacity the services of any person debarred under subsections (a) or (b) [Section 306(a) or (b)] in connection with this application.

Takeda America Research and Development Center, Inc.

APPEARS THIS WAY ON ORIGINAL

Date 31. 1998

BEST POSSIBLE COPY

Takeda America Research and Development Center, Inc. Princeton, NJ

NDA 21-073 Actos™ (Pioglitazone HCI) Tablets

Certification Statement as requested by the Generic Drug Enforcement Act of 1992

In compliance with the Generic Drug Enforcement Act of 1992, Covance certifies that we did not and will not use in any capacity the services of any person debarred under subsection (a) or (b) of Section 306 of the Food, Drug and Cosmetic Act in connection with this application.

Patricia Young, Ph.D.

Vice President, Regulatory Affairs

Vice President, Corporate Compliance

1 December 1988

TAKEDA AMERICA RESEARCH AND DEVELOPMENT CENTER, INC. Princeton, NJ

ACTOS® (pioglitazone HCl tablets)

CERTIFICATION OF COMPLIANCE WITH THE GENERIC DRUG ENFORCEMENT ACT

In compliance with the Generic Drug Enforcertifies that we did resubsection (a) or (b) of Section 306 of the Fo	not use in any capacity the services of any person debarred under nod, Drug, and Cosmetic Act, in connection with this application.
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FOR ()	DATE
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PRINT NAME SAPPEA	RS THIS WAY ON ORIGINAL

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TAKEDA AMERICA RESEARCH AND DEVELOPMENT CENTER, INC. Princeton, NJ

ACTOS® (pioglitazone HCI tablets)

July 17, 1998
DATE

CERTIFICATION OF COMPLIANCE WITH THE GENERIC DRUG ENFORCEMENT ACT

In compliance with the Generic Drug Enforcement Act of 1992, not use in any capacity the services of any person debarred under subsection (a) or (b) of Section 306 of the Food, Drug, and Cosmetic Act, in connection with this application.

FOR
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PRINT NAME

Page 2 of 2 \\TAKEDA\SYST\1998\AD4833\HOPKINS\DEBARMENT_mdsharris.doc

TAKEDA AMERICA RESEARCH AND DEVELOPMENT CENTER, INC. Princeton, NJ

ACTOS® (pioglitazone HCI tablets)

CERTIFICATION OF COMPLIANCE WITH THE GENERIC DRUG ENFORCEMENT ACT

In compliance with the Generic Drug Enforcement Act of 1992, occurred to the control of the Food, not use in any capacity the services of any person debarred under subsection (a) or (b) of Section 306 of the Food, Drug, and Cosmetic Act, in connection with this application.

FOR

PRINT NAME —

7/15/98 DATE

APPEARS THIS WAY ON ORIGINAL

JUL 15 1998

Page 2 of 2 H:\1998\AD4833\HOPKINS\DEBARMENT_mdsharris_2.doc TAKEDA AMERICA RESEARCH AND DEVELOPMENT CENTER, INC. ACTOS®
Princeton, NJ (pioglitazone HCl tablets)

CERTIFICATION OF COMPLIANCE WITH THE GENERIC DRUG ENFORCEMENT ACT

In compliance with the Generic Drug Enforcement Act of 1992, certifies that we did not use in any capacity the services of any person debarred under subsection (a) or (b) of Section 306 of the Food, Drug, and Cosmetic Act, in connection with this application.

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